

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	12	("5414314"   "5418476"   "5684415"   "5736869"   "5808480").PN. OR ("6014039").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2010/04/12 12:57
L4	1	"20010000949"	US-PGPUB; USPAT; USOCR	ADJ	OFF	2010/04/12 13:42
S1	0	("voltage driver circuit").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/30 12:48
S2	1125	voltage driver circuit	US-PGPUB; USPAT	ADJ	ON	2008/01/30 12:48
S3	701	storms.in.	US-PGPUB; USPAT	ADJ	ON	2008/01/30 12:51
S4	21	storms.in. and ("327" or "323" or "330").clas.	US-PGPUB; USPAT	ADJ	ON	2008/01/30 12:52
S5	252	("327" or "323" or "330").clas. and voltage driver circuit	US-PGPUB; USPAT	ADJ	ON	2008/01/30 12:55
S6	238	("327" or "323" or "330").clas. and voltage driver circuit and high and low	US-PGPUB; USPAT	ADJ	ON	2008/01/30 13:18
S7	252	("327" or "323" or "330").clas. and voltage driver circuit	US-PGPUB; USPAT	ADJ	ON	2008/01/30 13:18
S8	9141	(327/108-112,379-391 or 326/22-27,82-87).ccls.	US-PGPUB; USPAT	ADJ	ON	2008/01/30 14:11
S9	1	(327/108-112,379-391 or 326/22-27,82-87).ccls. and high voltage breakdown and low voltage driver	US-PGPUB; USPAT	ADJ	ON	2008/01/30 14:13
S10	162	(327/108-112,379-391 or 326/22-27,82-87).ccls. and (high voltage near5 driver) and (low voltage near5 driver)	US-PGPUB; USPAT	ADJ	ON	2008/01/30 14:14
S11	15	("5047657"   "5223751"   "5280204"   "5422523"   "5541534"   "5594361"   "5614859").PN. OR ("5889415").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/30 14:48
S12	1	(327/108-112,379-391 or 326/22-27,82-87).ccls. and high voltage breakdown transistor	US-PGPUB; USPAT	ADJ	ON	2008/01/30 14:55
S13	6	(327/108-112,379-391 or 326/22-27,82-87).ccls. and high voltage breakdown	US-PGPUB; USPAT	ADJ	ON	2008/01/30 14:56
S14	10	"640759"	US-PGPUB; USPAT	ADJ	ON	2008/01/30 15:10

S15	16	"6407579"	US-PGPUB; USPAT	ADJ	ON	2008/01/30 15:10
S16	7	(327/108-112,379-391 or 326/22-27,81-87).ccls. and high voltage breakdown	US-PGPUB; USPAT	ADJ	ON	2008/01/30 15:11
S17	34	(327/108-112,379-391 or 326/22-27,81-87).ccls. and two signal paths	US-PGPUB; USPAT	ADJ	ON	2008/01/30 15:14
S18	0	"2005078729"	US-PGPUB; USPAT	ADJ	ON	2008/01/30 15:23
S19	51	mixed power supply	US-PGPUB; USPAT	ADJ	ON	2008/01/30 15:54
S20	0	mixed power supply and S17	US-PGPUB; USPAT	ADJ	ON	2008/01/30 15:54
S21	9	"5889415"	US-PGPUB; USPAT	ADJ	ON	2008/01/30 15:54
S22	7	("5047657"   "5223751"   "5280204"   "5422523"   "5541534"   "5594361"   "5614859").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/30 15:55
S23	5137	(327/108-112,379-391 or 326/22-27,81-87).ccls. and driver	US-PGPUB; USPAT	ADJ	ON	2008/01/31 08:34
S24	4600	(327/108-112,379-391 or 326/22-27,81-87).ccls. and driver and high and low	US-PGPUB; USPAT	ADJ	ON	2008/01/31 08:37
S25	753	(327/108-112,379-391 or 326/22-27,81-87).ccls. and voltage near5 breakdown	US-PGPUB; USPAT	ADJ	ON	2008/01/31 08:38
S26	273	(327/108-112,379-391 or 326/22-27,81-87).ccls. and (voltage near5 breakdown) near5 (high or low)	US-PGPUB; USPAT	ADJ	ON	2008/01/31 08:39
S27	0	("2004/0061524").URPN.	USPAT	ADJ	ON	2008/01/31 08:44
S28	5	"6236256"	USPAT	ADJ	ON	2008/01/31 08:47
S29	27	"5422523"	USPAT	ADJ	ON	2008/01/31 08:48
S30	7	(327/108-112,379-391 or 326/22-27,81-87).ccls. and (voltage near5 breakdown) near5 (high or low) and zero near5 voltage drop	US-PGPUB; USPAT	ADJ	ON	2008/01/31 08:54
S31	83	(327/108-112,379-391 or 326/22-27,81-87).ccls. and zero near5 (voltage drop)	US-PGPUB; USPAT	ADJ	ON	2008/01/31 08:55
S32	16	(327/108-112,379-391 or 326/22-27,81-87).ccls. and (zero near5 (voltage drop)) same driver	US-PGPUB; USPAT	ADJ	ON	2008/01/31 08:57
S33	1	"7030654"	US-PGPUB; USPAT	ADJ	ON	2008/01/31 12:35

S34	16	"6407579"	US-PGPUB; USPAT	ADJ	ON	2008/01/31 13:06
S35	1	"20070085584"	US-PGPUB; USPAT	ADJ	ON	2008/01/31 14:42
S36	1	"60719232"	US-PGPUB; USPAT	ADJ	ON	2008/01/31 14:55
S37	2107	"20050921"	US-PGPUB; USPAT	ADJ	ON	2008/01/31 14:56
S38	4582	"20051018"	US-PGPUB; USPAT	ADJ	ON	2008/01/31 14:56
S39	33	(327/108-112,379-391 or 326/22-27,81-87).ccls. and level near5 shift\$3 same partial	US-PGPUB; USPAT	ADJ	ON	2008/01/31 14:57
S40	13	(327/108-112,379-391 or 326/22-27,81-87).ccls. and partial near5 (level near5 shift\$3)	US-PGPUB; USPAT	ADJ	ON	2008/01/31 15:00
S41	9	"5889415"	US-PGPUB; USPAT	ADJ	ON	2008/01/31 15:28
S42	8	(327/108-112,379-391 or 326/22-27,81-87).ccls. and inverter near5 thick near gate near oxide	US-PGPUB; USPAT	ADJ	ON	2008/01/31 15:29
S43	1	(327/108-112,379-391 or 326/22-27,81-87).ccls. and inverter near5 protection near5 I/O	US-PGPUB; USPAT	ADJ	ON	2008/01/31 16:22
S44	1	(327/108-112,379-391 or 326/22-27,81-87).ccls. and invert\$4 near5 protection near5 I/O	US-PGPUB; USPAT	ADJ	ON	2008/01/31 16:23
S45	0	memory circuit near5 driver circuit	US-PGPUB; USPAT	ADJ	ON	2008/01/31 16:42
S46	1667	memory near5 driver circuit	US-PGPUB; USPAT	ADJ	ON	2008/01/31 16:43
S47	95	(327/108-112,379-391 or 326/22-27,81-87).ccls. and memory near5 driver circuit	US-PGPUB; USPAT	ADJ	ON	2008/01/31 16:43
S48	1	"20060054952"	US-PGPUB; USPAT	ADJ	ON	2008/02/01 08:18
S49	0	"200010000949"	US-PGPUB; USPAT	ADJ	ON	2008/02/01 08:24
S50	1	"20010000949"	US-PGPUB; USPAT	ADJ	ON	2008/02/01 08:24
S51	18	"6407579"	US-PGPUB; USPAT	ADJ	ON	2008/07/22 07:36
S52	0	"6407"."579".pn.	US-PGPUB; USPAT	ADJ	ON	2008/07/22 10:27
S53	1	"6407579".pn.	US-PGPUB; USPAT	ADJ	ON	2008/07/22 10:27
S54	19	"5739700"	US-PGPUB; USPAT	ADJ	ON	2008/07/22 10:28

S55	1	(327/108-112,379-391 or 326/22-27,82-87).ccls. and (storms.in. near2 maurits.in.)	US-PGPUB; USPAT	ADJ	ON	2008/07/22 10:29
S56	1	(327/108-112,379-391 or 326/22-27,81-87).ccls. and (storms near2 maurits).in.	US-PGPUB; USPAT	ADJ	ON	2009/01/16 14:18
S57	5	"2005069027"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/08/03 10:02
S58	3	"20050069027"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/08/03 10:02
S59	2	"7193441".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/08/03 10:05
S60	2	"20010000949"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/08/03 10:06
S61	15	("20020084804"   "5519344"   "5864506"   "6118302"   "6285215"   "6329836"   "6404239"   "6420913"   "6563343"   "6614258"   "6704818"   "6794909"   "6876224"   "6894536"   "7122868").PN. OR ("7436215"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/08/03 10:09
S62	3557	(327/108-112,379-391 or 326/22-27,82-87).ccls. and high\$4 near2 voltage same low\$4 near2 voltage	US-PGPUB; USPAT	ADJ	ON	2009/08/03 10:15
S63	3665	(327/108-112,379-391 or 326/22-27,82-87).ccls. and high\$4 near2 voltage same low\$4 near2 voltage	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/03 10:18
S64	2502	(327/108-112,379-391 or 326/22-27,82-87).ccls. and high\$4 near2 voltage same low\$4 near2 voltage and series	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/03 10:20

S66	277	(327/108-112,379-391 or 326/22-27,82-87).ccls. and high\$4 near2 voltage same low\$4 near2 voltage same parallel\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/03 10:32
S67	2	"7030654".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/03 10:49
S68	7	("5684415"   "5786711"   "5896045"   "5995010"   "6040708"   "6184716"   "6487687").PN. OR ("7030654").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/08/03 10:49
S69	621	(327/108-112,379-391 or 326/22-27,82-87).ccls. and (high\$4 near2 voltage) near3 (transistor or FET or MOSFET) same (low\$4 near2 voltage) near3 (transistor or FET or MOSFET)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/03 12:50
S70	2	"6407579".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/03 13:18
S71	2	"5739700".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/03 13:22
S72	2	"2003112041"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/03 13:22
S73	2	"20030112041"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/03 13:22
S74	2	"20020079545"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/03 13:23

S75	8	("4019178"   "6107829"   "6249169"   "6559675"   "6693469"   "6867445").PN. OR ("7091755").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/08/03 13:35
S76	45	("4161663"   "4675557"   "4678950"   "4709162"   "4717846"   "4782250"   "4800303"   "4963766"   "5057715"   "5151619"   "5160855"   "5243236"   "5266849"   "5300835"   "5319259"   "5338978"   "5381056"   "5381061"   "5387826"   "5396128"   "5440249"   "5444397"   "5450025"   "5451889"   "5467031"   "5512844"   "5543733"   "5574389"   "5576635"   "5646809"   "5684415"   "5828231"   "5834948"   "5892377"   "5952847"   "5966030"   "6031394"   "6040729"   "6118301").PN. OR ("6580291"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/08/03 13:53
S77	46	("3795827"   "3896430"   "3903518"   "4027305"   "4038564"   "4121203").PN. OR ("4408135").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/08/03 15:12
S78	0	("2004/0032284").URPN.	USPAT	ADJ	OFF	2009/08/03 15:29
S79	1622	(327/108-112,379-391 or 326/22- 27,82-87).ccls. and high\$4 near2 voltage same low\$4 near2 voltage and parallel\$4 not \$69	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/03 15:31
S80	3	"20050069027"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/03 15:32
S81	15	("20020084804"   "5519344"   "5864506"   "6118302"   "6285215"   "6329836"   "6404239"   "6420913"   "6563343"   "6614258"   "6704818"   "6794909"   "6876224"   "6894536"   "7122868").PN. OR ("7436215"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/08/03 15:33

S82	892	(326/62,63,68,80,81 or 327/333 or 365/189.11).ccls. and level near2 shift\$4 and parallel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/03 15:52
S83	2	"2001223575"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/03 16:01
S84	17	("20010017783"   "20020039042"   "20030137336"   "20050017783"   "4890016"   "5149990"   "5926050"   "5990706"   "6025738"   "6154045"   "6424173"   "6515532"   "6630851"   "6784719"   "7190206"   "7251740"   "7292217").PN. OR ("7411439").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/08/03 16:36
S85	1	"6744298".pn.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/08/03 17:20
S86	1941	(327/108-112,379-391 or 326/22-27,82-87).ccls. and high\$4 near2 voltage same low\$4 near2 voltage and parallel\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/03 17:32
S87	579	(326/62,63,68,80,81 or 327/333 or 365/189.11).ccls. and (high near2 voltage) near3 driv\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/03 17:38
S88	224	(326/62,63,68,80,81 or 327/333 or 365/189.11).ccls. and (high near2 voltage) near3 driv\$4 and (low near2 voltage) near3 driv\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/03 17:38
S89	26	("4704547"   "5029284"   "5117131"   "5300832"   "5381062"   "5408191"   "5483176").PN. OR ("5808480"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/08/03 18:22
S90	13	("5502412"   "5504450"   "5747979"   "5751179"   "5808480"   "5850159"   "5892371"   "5926056"   "5939932"   "5963067").PN. OR ("6137339").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/08/03 18:25

S91	414	(326/62,63,68,80,81 or 327/333 or 365/189.11).ccls. and (high near2 voltage) same latch\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/04 08:41
S92	49	(326/62,63,68,80,81 or 327/333 or 365/189.11).ccls. and (high near2 voltage) near2 operat\$4 same latch\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/04 08:51
S93	2	"5,889,415".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/08/04 10:36
S94	757	(326/62,63,68,80,81 or 327/333 or 365/189.11).ccls. and (break down or breakdown)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/04 10:46
S95	319	(326/62,63,68,80,81 or 327/333 or 365/189.11).ccls. and (break down or breakdown) and parallel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/04 10:49
S96	47	(326/62,63,68,80,81 or 327/333 or 365/189.11).ccls. and (break down or breakdown) same parallel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/04 10:49
S97	1	("2004/0061524").URPN.	USPAT	ADJ	OFF	2010/04/12 08:27
S98	8	("4019178"   "6107829"   "6249169"   "6559675"   "6693469"   "6867445").PN. OR ("7091755").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2010/04/12 08:39
S99	47	("3795827"   "3896430"   "3903518"   "4027305"   "4038564"   "4121203").PN. OR ("4408135").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2010/04/12 08:49
S100	8	("4019178"   "6107829"   "6249169"   "6559675"   "6693469"   "6867445").PN. OR ("7091755").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2010/04/12 09:13
S101	1	"6407579".pn.	US-PGPUB; USPAT	ADJ	ON	2010/04/12 09:17
S102	1	"5739700".pn.	US-PGPUB; USPAT	ADJ	ON	2010/04/12 09:18

S103	0	"2003112041".pn.	US-PGPUB; USPAT	ADJ	ON	2010/04/12 09:18
S104	1	"20030112041".pn.	US-PGPUB; USPAT	ADJ	ON	2010/04/12 09:18
S105	0	"2002079545"	US-PGPUB; USPAT	ADJ	ON	2010/04/12 09:19
S106	1	"20020079545"	US-PGPUB; USPAT	ADJ	ON	2010/04/12 09:19
S107	5081	(327/108-112,379-391 or 326/22-27,82-87).ccls. and ((second near2 voltage) or vcc2 or vdd2 or VH or VL)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/04/12 09:21
S108	2641	(327/108-112,379-391 or 326/22-27,82-87).ccls. and ((second near2 voltage) or vcc2 or vdd2 or VH or VL) and parallel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/04/12 09:21
S109	257	(327/108-112,379-391 or 326/22-27,82-87).ccls. and (vcc2 or vdd2 or VH or VL) and parallel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/04/12 09:27
S110	227	(327/108-112,379-391 or 326/22-27,82-87).ccls. and (vcc2 or vdd2 or VH or VL) not S109	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/04/12 10:39

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